

5450ndr1va2_00014672

EPAct bi-weekly update mtg. 3-24-2009

12 fuels
7 being shipped → next wk
8 in bulk blending
19 fuels at SWRI

1) Light-duty exhaust program (Sobotowski, Hart)

-Phase 1 (75F) and phase 2 (50F) completed

- * -Results of phase 2- planned briefing for Chet (Aron)
- Data analyzed by George - compares well with DOE splash blend
- Data shared with DOE along with DOE data sent to us
- E0/E10/E15 data analysis (fuels 17,18,19): toxics-need other fuels
- cold start focus – George analysis

All should be there in 3 weeks

-Phase 3

- * -Fuels and blending status -
- Started testing 3/16:
 - 10 vehicles
 - EPA E0 and E10 fuels at SWRI on start date
 - Fuel to be randomized as made available
 - New prep procedures implemented until we can quantify "hangover"
 - NMHC formula finalized
 - Launch with agreed fuels and speciation with toxics group and DOE

-Additional vehicle testing:

- * -FTP (Chet) Phase 1B on 6 vehicles completed
 - analysis done find s expected results on sample size/selection
 - Previous fuel "hangover" on controls discovered – implement prepping changes
- * -NLEV/T1- 2 CRC vehicles – Delayed in phase 3
 - tie data back to complex model and DOE testing
 - FTP or LA92 cycle selection still open issue

-Other options or testing

- 95F and 20 FLA92 – DOE to pursue
- Sulfur NVFEL program to tie back same vehicles

-OBD data good for all phase 3

- need to look at closely to see fuel aromatic and ethanol impacts

2) Oil study (Christianson, Sobotowski, Fernandez) –Report will be issued at later date

- Mike at CRC week of 3/23 to present some results

3) PM speciation with NVFEL/ORD (Christianson, Hoyer)

- test cell improvements required – Joe M. trip results
- sampler equipment required – in-house project
- NVFEL to do round robin – some PM work – E85
- Phase 3 above may have additional DOE data

4) Nonroad exhaust program (Caffrey) Intertek/Carnot

- * -Fuel 18 testing status – done – report timing?
- Testing and aging (1/2 FUL) completed
 - Completed engines
 - handhelds run to FUL - completed
- Additional testing in conjunction with ARB program (budgeted for 09)
 - SOW complete for exhaust on indolene and E10
 - speciated data on ARB program

5) Evap testing (Hart) –

- E77-2
- E77-2b -work statement accepted – need additional 100k
- E77-3- (RSD in non-IM area @ San Antonio) partially approved by OMB
- E77-2c to include E20 – not EPA program

Newer:

- Need to get resolution to drift issue – DOE satisfied and will pay for additions
- FE calculation update – in recalculated phase 1 – available?

EX. 4 - CBI

Program Timeline

Date	Week #	# of VMI's Tests Completed	# of Tests Completed
9-Mar	1	10	12
16-Mar	2	30	35
23-Mar	3	50	56
30-Mar	4	70	81
6-Apr	5	90	104
13-Apr	6	110	127
20-Apr	7	130	150
27-Apr	8	150	173
4-May	9	170	196
11-May	10	190	219
18-May	11	210	242
25-May	12	230	265
1-Jun	13	250	288
8-Jun	14	270	311
15-Jun	15	290	334
22-Jun	16	310	357
29-Jun	17	330	380
6-Jul	18	350	403
13-Jul	19	370	426
20-Jul	20	390	449
27-Jul	21	410	472
3-Aug	22	430	495
10-Aug	23	450	518
17-Aug	24	470	541
24-Aug	25	490	564
31-Aug	26	510	587
7-Sep	27	530	610
14-Sep	28	550	633
21-Sep	29	570	656
28-Sep	30	590	679
5-Oct	31	610	702
12-Oct	32	630	725
19-Oct	33	650	748
26-Oct	34	670	771
2-Nov	35	690	794
9-Nov	36	710	817
16-Nov	37	730	840
23-Nov	38	750	863
30-Nov	39	770	886
7-Dec	40	790	909
14-Dec	41	810	932
21-Dec	42	830	955
28-Dec	43	850	978
4-Jan	44	870	1001
11-Jan	45	890	1024
18-Jan	46	910	1047
25-Jan	47	930	1070
1-Feb	48	950	1093

Assumptions: - Alcohols and carbonyls are specified in bag 1 of EVERY emissions test
 - HC specification in bags 2 and 3 implies alcohol and carbonyl specification
 in bags 2 and 3 of the emissions test

18 vehicle program (Options 1-4)

12 vehicle program (Options 5-8)

15 vehicle program (Options 9-14)

EX. 4 - CBI

EPA Testing Schedule

Phase 3

Week Beginning Saturday 3/21/2009 to 3/29/2009

If Phil returns on Wednesday

Saturday
21-Mar

Sunday
22-Mar

Monday
23-Mar

Tuesday
24-Mar

Wednesday
25-Mar

Thursday
26-Mar

Friday
27-Mar

Code	Phase	Fuel	Test
1	CCOB	1	FC
2	TSIE	15	FC
3	CSIL	9	FC
4	HCIV	12	FC
5			
6			
7			

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test
FEXP	13	FC	
DCAL	13	FC	
JLIB	2	FC	
HODY	12	FC	
NALT	1	FC	

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test
1	NALT	15	1p
2	HODY	2	1p
3	CCOB	1	5P
4	TSIE	15	3P
5	CSIL	9	3P
6			
7			

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test
HCIV	12	5P	
HODY	2	1p	
CCOB	1	1p	
TSIE	15	1p	
CSIL	9	1p	

Code	Phase	Fuel	Test
HCIV	12	1p	
HODY	2	1p	
CCOB	1	1p	
TSIE	15	1p	
CSIL	9	1p	

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test
FEXP	13	3P	
DCAL	13	3P	
JLIB	2	3P	
HODY	12	5P	
NALT	1	5P	

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test
NALT	15	T2	

Code	Phase	Fuel	Test

Code	Phase	Fuel	Test
HODY	2	T1	
CCOB	1	T1	
TSIE	15	T1	
CSIL	9	T1	
HCIV	12	T1	

Code	Phase	Fuel	Test
HODY	2	T2	
CCOB	1	T2	
TSIE	15	T2	
CSIL	9	T2	
HCIV	12	T2	

Code	Phase	Fuel	Test
FEXP	13	T1	
DCAL	13	T1	
JLIB	2	T1	
HODY	12	T1	
NALT	1	T1	

Daily Test Vehicles

Pre-Condition Vehicles

Fuel Change Vehicles

EPAct bi-weekly update mtg. 3-10-2009

Q: how meaningful are 50° PM benefits given funky fuels.

1) Light-duty exhaust program (Sobotowski, Hart)

- Phase 1 (75F) and phase 2 (50F) completed
- Data analyzed by George
- Data shared with DOE along with DOE data sent to us
- E0/E10/E15 data analysis (fuels 17,18,19):
- regulated pollutants information agrees with DOE splash blend
- toxics/PM –fuel formulation concerns on toxics-need other fuels
- cold start focus – George analysis compares well with DOE

* -Phase 3

- * -Fuels and blending status - Some fuels still in process
- Start testing 3/16:
 - 10 vehicles
 - EPA E0 and E10 fuels at SWRI on start date
 - Fuel to be randomized as made available
 - New prep procedures implemented until we can quantify “hangover”
 - NMHC formula finalized
 - Launch with no toxics fuels

-Additional vehicle testing:

- * -FTPs (Chet) Phase 1B on 6 vehicles completed
 - analysis done find s expected results on sample size/selection
 - Previous fuel “hangover” on controls discovered – implement prepping changes
- * -NLEV/T1- 2 CRC vehicles – Delayed in phase 3
 - tie data back to complex model and DOE testing
 - FTP or LA92 cycle selection still open issue

-Other options or testing

- 95F and 20 FLA92 – DOE to pursue
- Sulfur NVFEL program to tie back same vehicles

-OBD data good for all phase 3

- need to look at closely to see fuel aromatic and ethanol impacts

2) Oil study (Christianson, Sobotowski, Fernandez) –Report will be issued at later date

3) PM speciation with NVFEL/ORD (Christianson, Hoyer)

- test cell improvements required – Joe M. trip results
- sampler equipment required – in-house project
- NVFEL to do round robin – some PM work – E85
- Phase 3 above may have additional DOE data

4) Nonroad exhaust program (Caffrey) Intertek/Carnot

- Fuel 18 testing stautus
- Testing and aging (1/2 FUL) status
 - Completed engines
 - Remaining funds for FUL on handhelds only
- *-Additional testing in conjunction with ARB program (budgeted for 09)
 - SOW complete for exhaust on indolene and E10
 - speciated data on ARB program

*5) Evap testing (Hart) – Visit to SWRI

- E77-2
- E77-2b -work statement accepted – need additional 100k
- E77-3- (RSD in non-IM area @ San Antonio) partially approved by OMB
- E77-2c to include E20 – not EPA program

Newer:

- Need to get resolution to drift issue – DOE satisfied and will pay for additions
- NMOG reporting on E10/E15/E20 –FID response request to LOD
- FE calculation update – in recalculated phase 1 – available?
- CRC spring presentations limited to only a few

EPAct bi-weekly update mtg. 2-10-2009

FTP fails NOx going EIS → E10 → E20
so for Phase III will need to reset
controller

- 1) Light-duty exhaust program (Sobotowski, Hart)
- Phase 1 – completed (DOE data also received to compare)
 - E0/E10/E15 data analysis
 - regulated pollutants
 - toxics/PM – use for RFS2 undecided due to fuel formulation concerns
 - * -cold start focus – George analysis compares well with DOE
 - Fuel speciation
 - 17,18,19 TA for SWRI analysis
 - all fuels will have additional analysis in later round robin
 - * -Phase 2 – 50F tests – to be complete this week
 - Phase 3 – Work plan done – program to begin in late February
 - * -Fuels and blending status for phase 3 fuels

 - Additional vehicle testing to be performed:
 - FTPs (Chet) Phase 1B on 6 vehicles completed
 - *-NLEV/T1- 2 CRC vehicles in repair – test in phase 3
 - tie data back to complex model and DOE testing
 - FTP or LA92 – may decide based on FTP Tier2 results

 - Other options or testing
 - 95F LA92 – DOE to pursue
 - Evaporative – likely covered by E77-3 but different T2s
 - PM studies?
 - Sulfur supplement to NVFEL program?
 - OBD data good in P1 fuel 19 – did change a couple of parameters for 50F

Kend - Hawkins -
solution to
toxics data.

2) Oil study (Christianson, Sobotowski, Fernandez) – Report will be issued at later date

- 3) PM speciation with NVFEL/ORD (Christianson, Hoyer)
- test cell improvements required – Joe M. trip
 - sampler equipment required – in-house project
 - NVFEL to do round robin – some PM work – E85

- 4) Nonroad exhaust program (Caffrey) Intertek/Carnot
- Fuel 18 testing status
 - Testing and aging (1/2 FUL) status
 - Completed engines
 - Remaining funds for FUL on handhelds only
 - *-Additional testing in conjunction with ARB program (budgeted for 09)
 - SOW complete for exhaust on indolene and E10
 - speciated data on ARB program

- *5) Evap testing (Hart) – Visit to SWRI
- E77-2
 - E77-2b -work statement accepted – need additional 100k
 - E77-3- (RSD in non-IM area @ San Antonio) partially approved by OMB
 - E77-2c to include E20 – not EPA program

Newer:

- FTP results: reprocessed for unit change from LA92, need George analysis, Cay copy
- Need to get resolution to drift issue – DOE satisfied and will pay for additions
- NMOG reporting on E10/E15/E20 –FID response request to LOD
- FE calculation update – in recalculated phase 1 – available?
- CRC spring presentations limited to only a few
- SWRI costs estimates improving
- Sulfur program fuel not available until January plus cell updates occurring
- Concerns over FTIR and Mass spec. data – Cay – SWRI answer

EPAct bi-weekly update mtg. 1-27-2009

- 1) Light-duty exhaust program (Sobotowski, Hart)
 - Phase 1 – completed (DOE data also received to compare)
 - E0/E10/E15 data analysis
 - regulated pollutants
 - toxics/PM – use for RFS2 undecided due to fuel formulation concerns
 - * -cold start focus – George analysis compares well with DOE
 - Fuel speciation
 - 17,18,19 TA for SWRI analysis
 - all fuels will have additional analysis in later round robin
 - * -Phase 2 - 50F tests – to be complete end of January– Rafal and Connie visited
 - Phase 3 – Work plan being prepared – to begin in February
 - * -Fuels and blending status for phase 3 fuels
 - Significant updates – Rafal has almost all fuels designed – many made
 - Requested (1) additional E10 with low sulfur to access Acet. Impact – Rafal design
 - Additional vehicle testing to be performed:
 - FTP (Chet) Phase 1B on 6 vehicles completed
 - *-NLEV/T1- 2 CRC vehicles in repair – test in phase 3
 - tie data back to complex model and DOE testing
 - FTP or LA92 – may decide based on FTP Tier2 results
 - *-Sensitive vehicles – dropped- DOE may do in catalyst aging
 - Other options or testing
 - 95F LA92 – DOE to pursue
 - Evaporative – likely covered by E77-3 but different T2s
 - PM studies?
 - Sulfur supplement to NVFEL program?
 - OBD data good in P1 fuel 19 – did change a couple of parameters for 50F
 - 2) Oil study (Christianson, Sobotowski, Fernandez) –Report will be issued at later date
 - 3) PM speciation with NVFEL/ORD (Christianson, Hoyer)
 - test cell improvements required – Joe M. trip
 - sampler equipment required – in-house project
 - NVFEL to do round robin – some PM work – E85
 - 4) Nonroad exhaust program (Caffrey) Intertek/Carnot – almost done except 1 HH
 - Fuel 18 testing status
 - Testing and aging (1/2 FUL) status *↳ no speciation!*
 - Completed engines
 - Remaining funds for FUL on handhelds only
 - *-Additional testing in conjunction with ARB program (budgeted for 09) *no data yet*
 - SOW complete for exhaust on indolene and E10
 - speciated data on ARB program
 - Look into testing at EPA new dynos in future for any gaps
 - *5) Evap testing (Hart) – Visit to SWRI
 - E77-2
 - E77-2b -work statement accepted – need additional 100k
 - E77-3- (RSD in non-IM area @ San Antonio) partially approved by OMB
 - E77-2c to include E20 – not EPA program
- Newer:
- FTP results: reprocessed for unit change from LA92, need George analysis, Cay copy
 - Need to get resolution to drift issue – DOE satisfied and will pay for additions
 - NMOG reporting on E10/E15/E20 –FID response request to LOD
 - FE calculation update – in recalculated phase 1 – available?
 - CRC spring presentations limited to only a few
 - SWRI costs estimates improving
 - Sulfur program fuel not available until January plus cell updates occurring
 - Concerns over FTIR and Mass spec. data – Cay – SWRI answer

EPA Act bi-weekly update mtg. 12-02-2008

1) Light-duty exhaust program (Sobotowski, Hart)

- Phase 1 – completed (DOE data also received to compare)
- E0/E10/E15 data analysis
 - regulated pollutants
 - toxics/PM – use for RFS2 undecided due to fuel formulation concerns
- * -cold start focus – George analysis compares well with DOE

-Fuel speciation

- 17,18,19 TA for SWRI analysis
- all fuels will have additional analysis in later round robin

* -Phase 2 - 50F tests – started 11/17 – Rafal and Connie visit

-Phase 3 – Work plan being prepared – to begin in February

* -Fuels and blending status for phase 3 fuels

- Significant updates - Rafal
- Requested (1) additional E10 with low sulfur to access Acet. Impact – Rafal design

-Additional vehicle testing to be performed:

- FTPs (Chet) Phase 1B on 6 vehicles completed
- * -NLEV/T1- 2 CRC vehicles in repair – test in phase 3
 - tie data back to complex model and DOE testing
 - FTP or LA92 – may decide based on FTP Tier2 results
- * -Sensitive vehicles – dropped- DOE will do in catalyst aging

-Other options or testing

- 95F LA92 – DOE to pursue
- Evaporative – likely covered by E77-3 but different T2s
- PM studies?
- Sulfur supplement to NVFEL program?

-OBD data good in fuel 19 – did change a couple of parameters for 50F

2) Oil study (Christianson, Sobotowski, Fernandez) – Report will be issued at later date

3) PM speciation with NVFEL/ORD (Christianson, Hoyer)

- test cell improvements required – Joe M. trip
- sampler equipment required – in-house project

-NVFEL to do round robin – some PM work – E85

4) Nonroad exhaust program (Caffrey) Intertek/Carnot

- Fuel 18 testing status
- Testing and aging (1/2 FUL) status
 - Completed engines
 - Remaining funds for FUL on handhelds

* -Additional testing in conjunction with ARB program (budgeted for 09)

- SOW complete for exhaust on indolene and E10
- speciated data on ARB program

-Look into testing at EPA new dynos in future for any gaps

*5) Evap testing (Hart) – Visit to SWRI

- E77-2 E10 in SHEDS
- E77-2b -work statement accepted – need additional 100k more E10 in SHEDS, speciated
- E77-3- (RSD in non-IM area @ San Antonio) partially approved by OMB – how often do leaks occur??
- E77-2c to include E20 – not EPA program

Newer:

- FTP results: reprocessed for unit change from LA92, need George analysis, Cay copy
- Need to get resolution to drift issue – DOE satisfied and will pay for additions
- NMOG reporting on E10/E15/E20 –FID response request to LOD
- FE calculation update – in recalculated phase 1 – available?
- CRC spring presentations limited to only a few
- SWRI costs call today
- Sulfur program fuel not available until January plus cell updates occurring

EJ Nam wants to have input on model data analysis

data coming now

Manion wants FTIR/ocms for E0 & E10 in Phase III

for MOVES... need model data

(currently only getting it on E85)

E-77 summit 12/17

Rafal wants to reblend fuel 5 – \$20K

EPAct bi-weekly update mtg. 10-21-2008

1) Light-duty exhaust program (Sobotowski, Hart)

- Phase 1 – completed
- E0/E10/E15 data analysis
 - regulated pollutants
 - toxics/PM
 - cold start focus
- Fuel speciation
 - 17,18,19 TA for SWRI analysis
 - all fuels will have additional analysis in later round robin
- Phase 2 - 50F tests
 - proceeding with requirement to start at 50F after 75F FTP testing is completed
- Phase 3 – Work plan being prepared
- Fuel blending status for phase 3 fuels
 - Spreadsheet approach working now (not actual Aspen software)
 - (7) E0 fuels designed- 2 done 5 handblends need minor changes
 - (2) E10 fuels designed –handblends being checked - adjusted

-Additional vehicle testing to be performed:

- FTPs (Chet) Phase 1B on 6 vehicles started 10/21
- NLEV/T1 (2 CRC vehicles in process of being shipped)
 - tie data back to complex model and DOE testing
 - FTP or LA92 – may decide based on FTP Tier2 results
- Sensitive vehicles (Chet/Ed) PZEV/HMC. – still investigating

-Other options or testing

- 95F LA92 – DOE to pursue
- Evaporative – likely covered by E77-3 but different T2s
- PM studies?
- Sulfur supplement to NVFEL program?

-OBD data good in fuel 19 – did change a couple of parameters for 50F

2) Oil study (Christianson, Sobotowski, Fernandez) –Report will be issued at later date.

3) PM speciation with NVFEL/ORD (Christianson, Hoyer)

- test cell improvements required – Joe M. trip
- sampler equipment required – in-house project
- NVFEL to do round robin – some PM work – E85

4) Nonroad exhaust program (Caffrey)

- Fuel 18 received and being tested
- Testing and aging (1/2 FUL) status
 - Completed engines
- Additional testing in conjunction with ARB program
 - SOW complete for exhaust on indolene and E10
 - speciated data on ARB program
- \$ issue – Look into testing at EPA??

5) Evap testing (Hart)

- E77-2
- E77-2b -work statement accepted
- E77-3- (RSD in non-IM area @ San Antonio) partially approved by OMB

New:

- 09 Budget - last week E77-2b and E77-3 needed additional funds
- David Hawkins cell temperature analysis – please review and we will repeat for 50F
- Relaxing repeat requirements –vehicle specific based on phase 1 variability?
- PM repeat requirement- need to understand PM behavior on gasoline vehicles at very low PM levels
- NMOG reporting on E10/E15/E20
- INNOVA measurement methods development need?
- Help needed to control and track fuel samples and barrels at NVFEL/SWRI/other for all programs/RR
- FE calculation update

need to talk to Kevin to get started now (Rafal, Connie)

done by end of Jan.

done 3 weeks?

will include VOC speciation

Mike C. Thanks for sampler will be done in time for NRMRL

EPAct bi-weekly update mtg. 9-23-2008

1) Light-duty exhaust program (Sobotowski, Hart)

- Phase 1 – completed
- E0/E10/E15 data analysis status
 - regulated pollutants
 - toxics/PM
- Phase 2 – Cell in preparation for 50F
- Phase 3 – Work plan being prepared
- Fuel blending status for phase 3 fuels
 - Aspen integration of distillation and other fuel properties – in process
 - Fuel blending recipes for handblends – awaiting Aspen updates
- Additional vehicle testing to be performed:
 - FTPs (Chet) Phase 1B on select vehicles (5-6)
 - NLEV/T1 tests to tie data to previous assumptions (2-4 CRC vehicles)
 - Sensitive vehicles (Chet/Ed) PZEV/Hy. – still investigating
- Other options or testing
 - 95F LA92 – DOE to pursue
 - Evaporative
 - PM studies
 - Sulfur
- OBD data good in fuel 19

*John says:
look at Tier 2 from
CRC E-74b*

2) Oil study (Christianson, Sobotowski, Fernandez)

- Ethanol impacts - completed
- Aging impacts – completed
- Report

3) PM speciation with NVFEL/ORD (Christianson, Hoyer)

- number of vehicles
- temperatures
- NVFEL to do round robin – some PM work – E85

4) Nonroad exhaust program (Caffrey)

- Fuel 18 received and being tested
- Testing and aging (1/2 FUL) status
 - Completed engines
- Additional testing in conjunction with ARB program
 - SOW complete for exhaust on indolene and E10
 - speciated data on ARB program

5) Evap testing (Hart)

- E77-2
 - data results
- E77-2b
 - work statement completed
- E77-3
 - partially approved by OMB

Deliverable dates for data:

- EPAct exhaust
- EPAct Evaporative
- Non-road

EPAAct bi-weekly update mtg. 9-9-2008

1) Light-duty exhaust program (Sobotowski, Hart)

- Phase 1 – completed
- E0/E10/E15 data analysis status
 - regulated pollutants
 - toxics
- Phase 2 – Cell in preparation for 50F
- Phase 3 – WA being prepared, WA? *Work plan?*
- Fuel blending status for phase 3 fuels
 - Aspen integration of distillation and other fuel properties – in process
 - Fuel blending recipes for handblends – awaiting Aspen updates
- additional vehicle testing:
 - Evaporative testing integrated into phase 3
 - FTPs (Chet) Phase 1B
 - Sensitive vehicles (Chet/Ed) PZEV/Hy.
 - NLEV/T1 tests to tie data to previous assumptions
 - 95F LA92 – DOE to pursue
 - PM studies
 - Sulfur
- OBD data good in fuel 19

working on speciating evap? from T2

2) Oil study (Christianson, Sobotowski, Fernandez)

- Ethanol impacts - completed
- Aging impacts – completed
- Report

3) PM speciation with NVFEL/ORD (Christianson, Hoyer)

- number of vehicles
- temperatures
- NVFEL to do round robin – some PM work – E85

4) Nonroad exhaust program (Caffrey)

- Fuel 18 received and being tested
- Testing and aging (1/2 FUL) status
- Completed engines
- Additional testing in conjunction with ARB program
 - SOW *exhaust only... no evap.*
 - speciated data on ARB program

getting diff. results from DOE

done Nov. 7

5) Evap testing (Hart)

- E77-2
 - data results
- E77-2b
 - work statement completed
- E77-3
 - partially approved by OMB

by June

Indolene + ARB's E10

Deliverable dates for data:

- EPAAct exhaust
- EPAAct Evaporative
- Non-road

Data location map

outstanding issues

- *speciated fuels?*
- or can Rafal calculate from blendstocks*
- *composite EF's for* *how they are they*
- alcohols?* *driving non-intents?*

how are they calculating composites?

EPAAct bi-weekly update mtg. 8-26-2008

1) Light-duty exhaust program (Sobotowski, Hart)

- Fuel blending status
 - Problems with Fuel 9 distillation curve
 - Authorized Haltermann to do 3-4 more hand blends
- Testing status
- E0/E10/E15 data analysis status
 - regulated pollutants
 - toxics
 - OBD data
- Vehicle downtime/non-intrusive testing options
 - Addition of Tier 1 or NLEV vehicles proposed to tie this program back to studies used in RFS 1
 - Evaporative testing in phase 3
 - FTP's or US06
 - 95F LA92 – DOE to pursue
 - PM studies
 - Sulfur
- Cold temp testing setup
 - Horiba analyzers being installed
 - Cold Temp chamber NOT yet installed (subcontractor problems)
- Other issues

2) Oil study (Christianson, Sobotowski, Fernandez)

- Meeting with Lubrizol 8/8/08 a success
- In-use fuel (Brewers) determined to be BP E10 gasoline
- Additional data analysis to be conducted by George Hoffman as second priority (after SwRI data)
- Chet briefing on final analysis results as next step

mid-Sept?

3) PM speciation (Christianson, Hoyer)

- ORD and NVFEL round-robin planning continues
 - Site modifications needed to become 1065 compliant
 - dP for tailpipe depression
 - Humidity control for dilution air
 - NFVEL PM tunnel may be sent down
- ORD site visit planned for mid-september
- AVL Toxic sampler delivery is still the biggest unknown for program start

LOD, Joe McD.

4) Nonroad exhaust program (Caffrey)

- E0 and E10 testing is 33% complete (proj. finish in November)
- E15 and E20 testing to be done with EPAAct fuel 19 (plus splash blending to E20)
- Additional testing in conjunction with ARB program

DOE

5) Evap testing (Hart)

- E77-2
 - data results
- E77-2b
 - work statement completed
- E77-3
 - approved by OMB

Paul doesn't want downtime; just start w/ the Phase III fuels we have.

EPA Act Test programs weekly meeting – March 18, 2008

Standing agenda:

1) Light-duty exhaust program (Sobotowski, Hart)

- fuels
- vehicles
- EPA portion
- DOE portion
- kick-off schedule

testing to start 4/7

Issues:

- fuel storage (PM speciation)
- E85 (blend our own or use same as SwRI)

high emitters" will be at end of Phase III, agreed on a high-mileage vehicle

2) Oil study (Christianson, Sobotowski)

- status update
- initial findings

skipping some methane measurements.

3) PM speciation/SVOC/metals (Christianson, Hoyer)

- available lab capabilities

4) Nonroad exhaust program (Scarbro)

- status
- ARB program?

5) Evap testing (Hart)

- RSD
- sheds

6) DOE mid-level blend testing (Fernandez)

- non-road
- vehicles (9)

7) Public drive data repository (Butler, Fernandez)

- living master document on data
- actual data sets